

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

MF57 (汽车电子专用) 测温型NTC热敏电阻器系列

MF57 Series (Automotive Electronics-Specific) Temperature-Measurement NTC Thermistor

应用范围 Applications

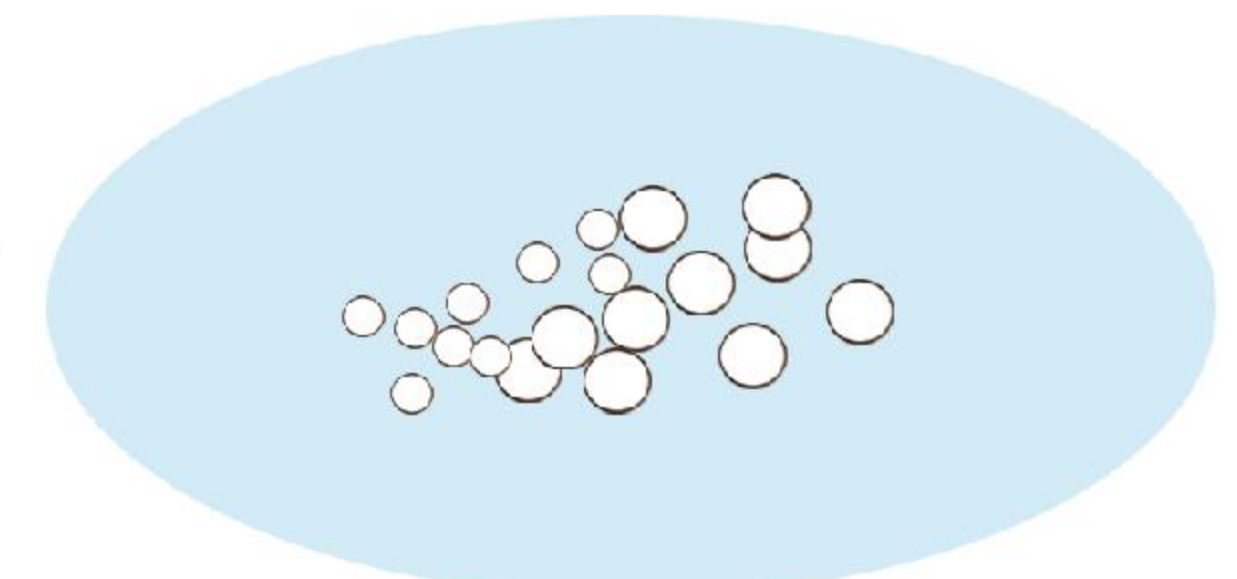
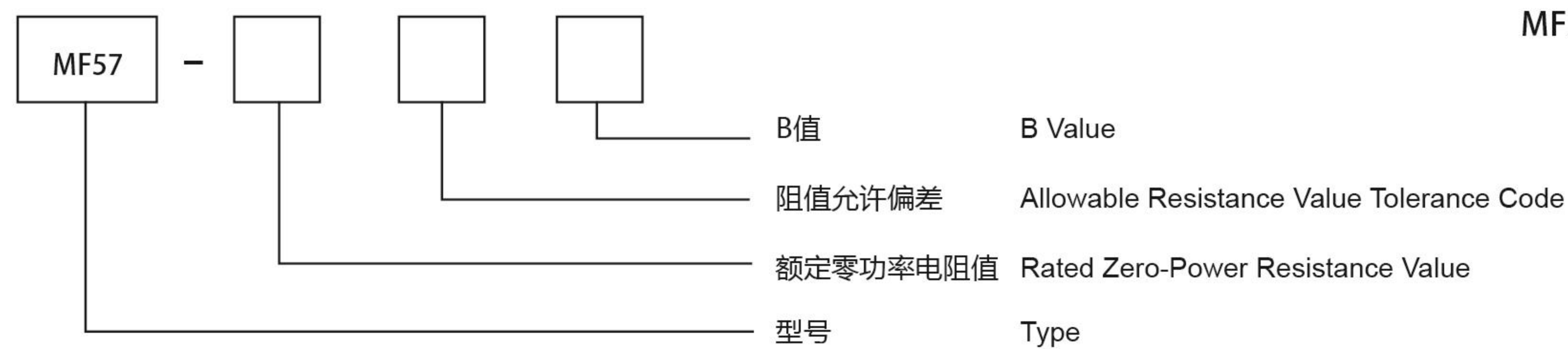
主要用于汽车 (内燃机车、大型电机、油浸变压器) 的冷却系统作定点测温的感温元件, 也可用在其它场合的温度测量。

Primarily used as temperature-sensing components for point temperature measurement in automotive cooling systems (internal combustion engine vehicles, large motors, oil-immersed transformers), and can also be used for temperature measurement in other applications.

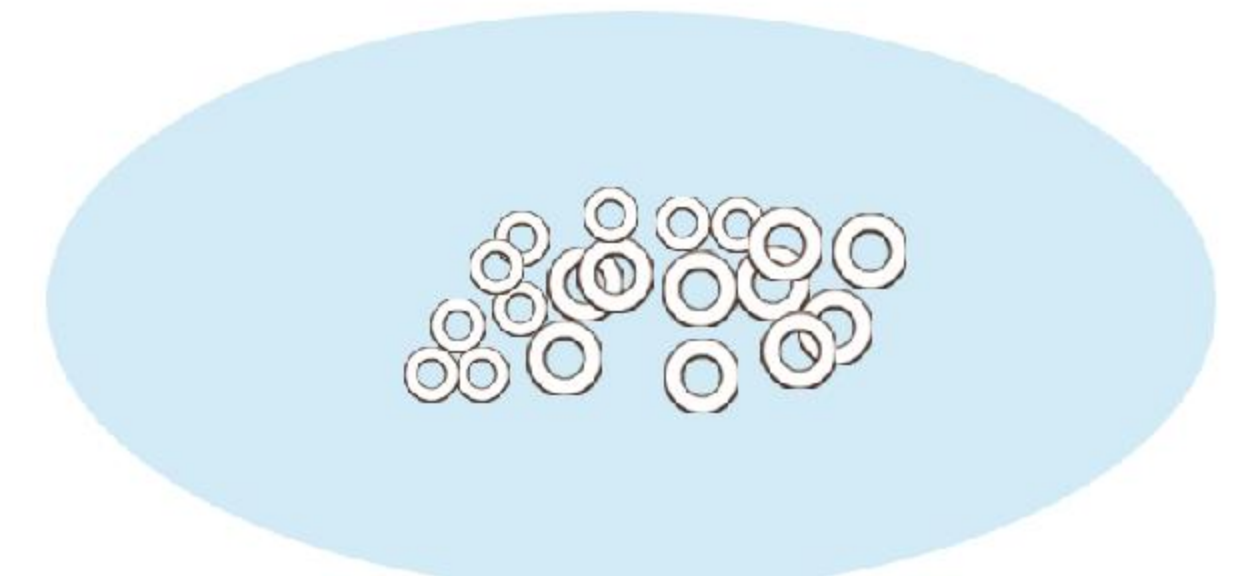
特点 Features

标称阻值与B值误差范围小, 产品一致性、互换性好, 可与各种国产及进口汽车仪表配套。

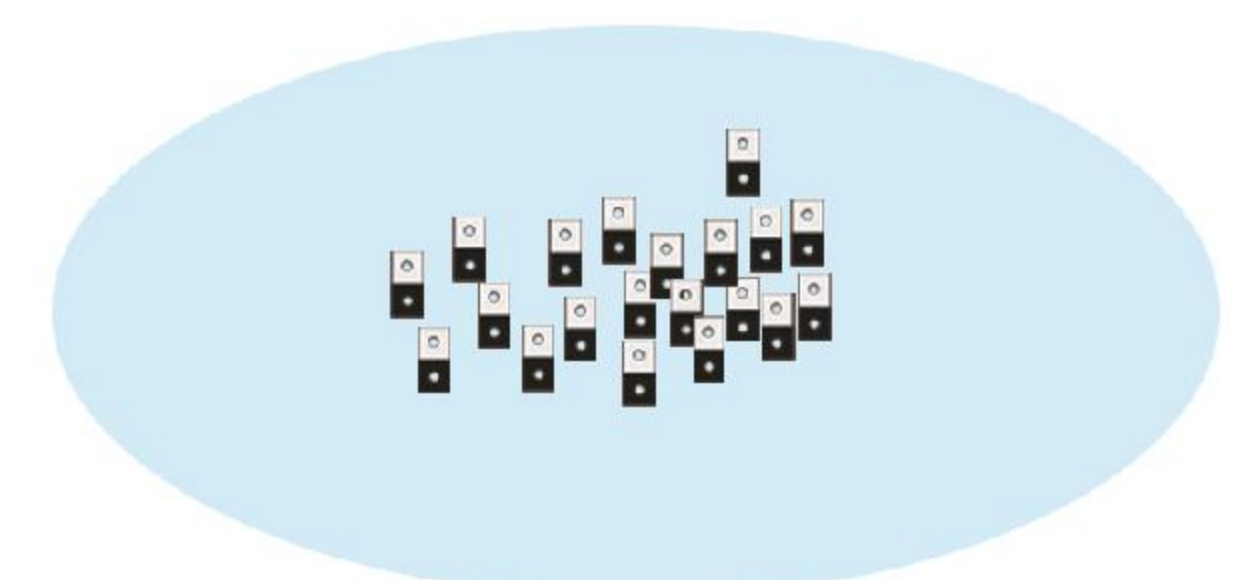
Nominal resistance and B Value have a small error range, ensuring excellent product consistency and interchangeability. Compatible with various domestic and imported automotive instrumentations.

产品标志说明 Marking Instruction


MF57A



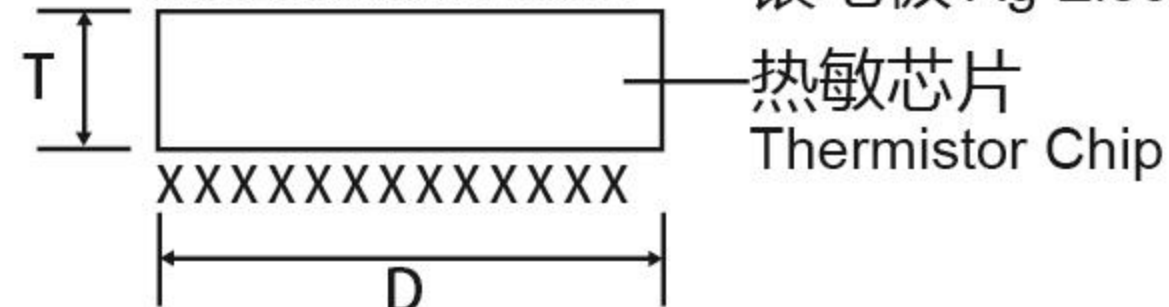
MF57B



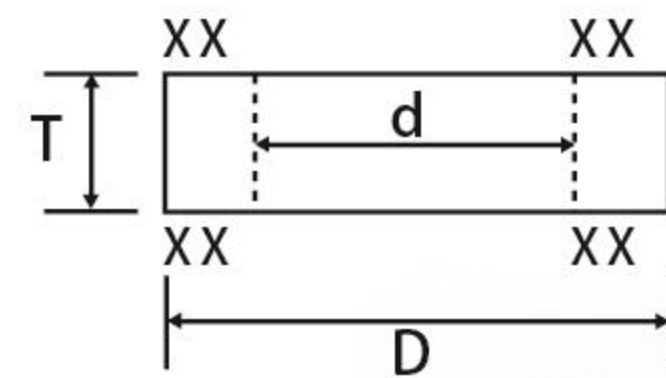
MF57C

外形结构和尺寸 Main Technical Specifications

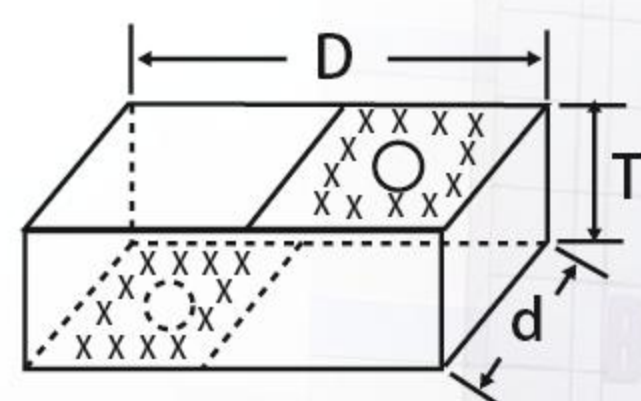
MF57A XXXXXXXXXXXX 银电极 Ag Electrode



MF57B



MF57C



| 尺寸 Dim.(mm) | 代号 Code | D±0.5 | T±0.2 | d±0.5 |
|----------------|------------|-----------|---------|-------|
| 型号 Part No. | | | | |
| MF57A | | 4.5 ~ 1.0 | 1.0~3.0 | / |
| MF57B | | 6.6 | 1.6 | 3.6 |
| MF57C | | 5 | 1.5~2.0 | 3 |

主要技术参数 Main Technical Specifications

| 型号 Part No. | 25°C的零功率电阻值 Zero-Power Resistance at 25°C R ₂₅ | | B值 (25/50°C) B Value (25/50°C) | | 25°C时最大额定功耗 Max. Power Rating at 25°C | 热时间常数约 Thermal Time Constant Approx. | 耗散系数约 Dissipation Constant Approx. | 工作温度 Operating Temperature |
|----------------|--------------------------------------------------------------|------------------------------------|-----------------------------------|------------------------------------|---------------------------------------------|--------------------------------------------|------------------------------------------|----------------------------------|
| | 阻值范围 Range (KΩ) | 允许偏差 Allowable Tolerance (%) | 标称值 Nominal Value (K) | 允许偏差 Allowable Tolerance (%) | | | | |
| MF57A | 0.22K~10K | F: ±1 | 2700~4700 | F: ±1 | 0.3 | 60 | 6 ~ 13 | -40 ~ +125 |
| MF57B | 0.4K~10K | J: ±5 | 3600~4500 | F: ±1 | 0.2 | 50 | 3.5 | |
| MF57C | 0.4K~2K | J: ±5 | 2400~3000 | F: ±1 | 0.2 | 60 | 3.5 | |